AMENDMENTS TO THE CLAIMS

The following listing of the claims is provided in accordance with 37 C.F.R. §1.121.

1-10.   (Cancelled).

11.   (Currently amended)   A method for separating digitized images on a digitized sheet of film, comprising:

accessing a digitized sheet of film having a number of images acquired discretely from one another with an medical imaging modality, the digitized sheet of film resulting from scanning of an analog sheet of film of the images, wherein the images are arranged in a regular grid on the analog sheet of film discretely acquired from one another with a medical imaging modality;

configuring a digital template based on the number of images and on the regular grid; and

digitally slicing and collating the images on the digitized sheet by applying the digital template to the digitized sheet to provide collated digitized images corresponding to the number of images in the regular grid on the analog sheet of film.

12.   (Currently amended)   The method of claim 11, wherein the digital template is configured and applied with a computer algorithm.

13.   (Original)   The method of claim 11, further comprising at least one of storing the collated digitized images, ordering the collated digitized images, displaying the collated digitized images in stack mode or cine mode, displaying the collated digitized images on a PACS workstation monitor, displaying the collated digitized images in combination with a DICOM header defining a series and order of the collated digitized

images, registering the collated digitized images, comparing the collated digitized images with digital images, or registering the collated digitized images with digital images.

14.   (Original)   The method of claim 11, wherein original image data of the digitized images reproduced on the sheet of film is acquired with at least one of a magnetic resonance imaging (MRI) system, a computed tomography (CT) imaging, or an X-ray imaging system.

15.   (Original)   The method of claim 14, wherein the digitized sheet is stored after the sheet of film is scanned to generate the digitized sheet.

16-34. (Cancelled).

35.   (Currently amended)   A system for separating digitized images within an image file of a digitized sheet of film, comprising:

means for accessing a digitized sheet of film having a number of digitized images, the sheet of film resulting from scanning of an analog sheet of film reproduced from images separately acquired with a medical imaging modality, the analog sheet of film having a number of image frames having substantially the same dimensions and corresponding to the number of digitized images;

means for configuring a digital template based on the number and dimensions of the image frames to partition the image frames;

means for digitally slicing and collating the digitized images with [[a]] the digital template;

means for storing the collated digitized images; and

wherein the images are originally reproduced on the analog sheet of film from image data acquired with at least one of a magnetic resonance imaging (MRI) system, a computed tomography (CT) imaging, or an X-ray imaging system.

36.   (Original)   The system of claim 35, further comprising means for displaying the collated digitized images on a PACS workstation monitor in stack mode or cine mode

37.   (Original)   The system of claim 35, further comprising means for ordering and registering the collated digitized images.

38-52. (Cancelled).

53.   (Currently amended)   A computer program, provided on a computer-readable medium for separating digitized images within an image file of a digitized sheet of film, comprising:

a routine for accessing a digitized sheet of film having a number of ~~digitized~~ images, the sheet of film resulting from scanning of an analog sheet of film reproduced from image data acquired with a medical imaging modality, wherein the images are discretely acquired and arranged in a regular array on the analog sheet of film;

a routine for configuring a digital template correlative to the number of images and the regular array;

a routine for digitally slicing and collating the digitized images with [[a]] the digital template;

a routine for storing the collated digitized images; and

wherein the discrete images are originally reproduced on the analog sheet of film from image data acquired with at least one of a magnetic resonance imaging (MRI) system, a computed tomography (CT) imaging, and an X-ray imaging system.

54.   (Previously presented)   The computer program on a computer-readable medium of claim 53, further comprising a routine for displaying the collated digitized images on a PACS workstation monitor in stack mode or cine mode

55.   (Previously presented)   The computer program on a computer-readable medium of claim 53, further comprising a routine for ordering and registering the collated digitized images.

56-63. (Cancelled).

64.   (New) The method of claim 11, wherein the images comprise defined borders.

65.   (New) The method of claim 11, wherein configuring a digital template comprises configuring a digital template based on the number of images and on the regular grid, and without performing image segmentation.

66.   (New) The method of claim 11, wherein configuring a digital template comprises configuring a digital template based on the number of images and on the regular grid, and not on content of the images.

67.   (New) The method of claim 11, wherein configuring a digital template comprises partitioning the images based on the number and size of the images without interpreting content of the images.

68.   (New) The method of claim 11, wherein configuring a digital template comprises partitioning the images based on the number and size of the images without image segmentation of content of the images.

69.   (New) The method of claim 11, wherein configuring a digital template comprises configuring a digital template based on dimensions of the images on the analog sheet of film.

70.   (New) The method of claim 11, wherein configuring a digital template comprises configuring a digital template based on dimensions of the regular grid.

71.   (New) The method of claim 11, wherein digitally slicing and collating the images comprises separating and collating the images on the digitized sheet by applying the digital template to the digitized sheet without performing image segmentation.

72.   (New) The method of claim 11, wherein digitally slicing via the digital template comprises outlining the images and copying image data of each image to respective image files.

73.   (New) The system of claim 35, wherein each of the digitized images comprise borders defined by one or more of the number or the dimensions of each of the digitized images.

74.   (New) The system of claim 73, wherein the means for configuring a digital template is based on the borders of the digitized images, and without performing image segmentation.

75.   (New) The system of claim 35, wherein the means for configuring a digital template is based on the number and dimensions of the image frames, and not on the content of the digitized images.

76.   (New) The system of claim 35, wherein the means for configuring a digital template is based on the number and dimensions of the image frames without interpreting content of the images.

77.   (New) The system of claim 35, wherein the means for configuring a digital template comprises a means for partitioning the image frames, and wherein the image frames are partitioned without image segmentation of content of the images.

78.   (New) The system of claim 35, wherein the means for configuring a digital template comprise a means for configuring a digital template based on the dimensions of the images on the analog sheet of film.

79.   (New) The system of claim 35, wherein a configuration of the digitized images on the digitized sheet of film is a substantially regular pattern.

80.   (New) The system of claim 79, wherein the means for configuring a digital template is based on the substantially regular pattern.

81.   (New) The system of claim 79, wherein the substantially regular pattern comprises borders corresponding to edges of the digitized images.

82.   (New) The system of claim 81, wherein the means for configuring a digital template comprises a means for partitioning the image frames along the borders.

83.   (New) The system of claim 35, wherein the means for digitally slicing and collating the digitized images comprises a means for separating and collating the digitized images on the digitized sheet of film by applying the digital template to the digitized sheet of film without performing image segmentation.

84.   (New) The system of claim 35, wherein the means for digitally slicing comprises a means for outlining the digitized images and copy respective image data to respective image files.